

The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

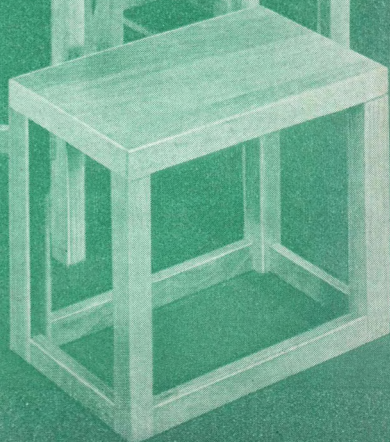
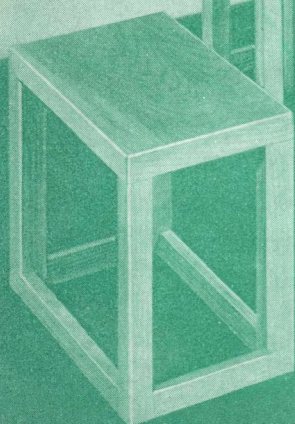
VOLUME EIGHTEEN

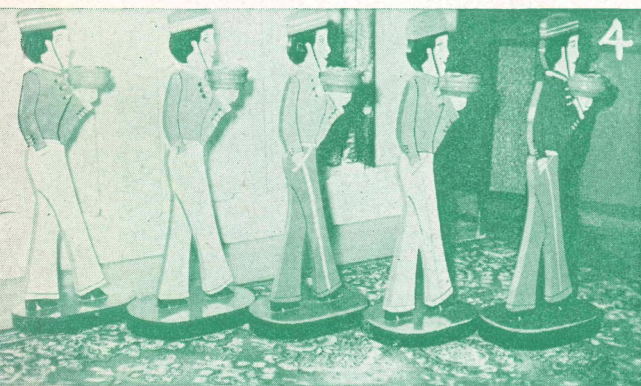
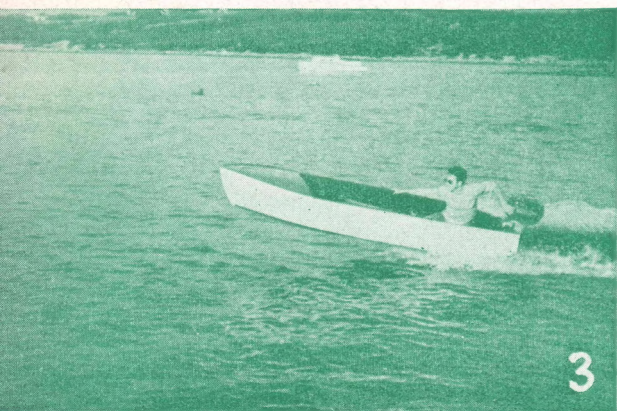
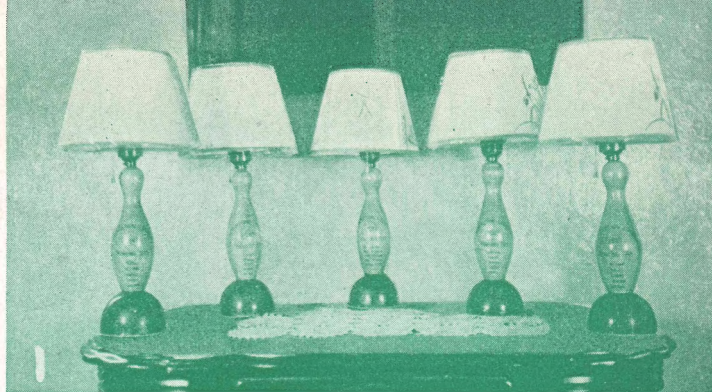
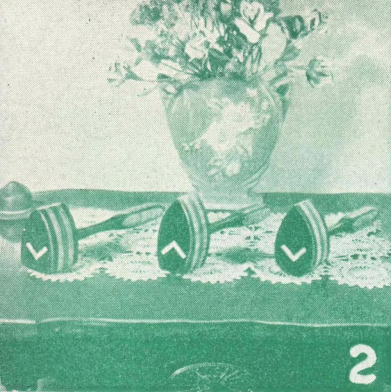
Issue No. 5, 1948, '49

FIFTEEN CENTS



★
UNIT TABLE SET
MODERN DESK
CIRCUS BED
BOWLING LAMP
CIRCUS CUTOUTS
DESIGNS • ETC.





WITH DELTA CRAFTERS

Another one of our regular contributors to the Deltacraft Page is Mr. MacCormack of Denver, Colorado. The bowling pins were designed by him for a winning bowling team. The gavels are made of ebony and were presented to a local lodge (Photos 1 and 2).



Mr. McBride of St. John's Newfoundland is really enjoying the Deltacraft boat he recently made from our plans. This is his first attempt at making a boat. From the appearance of the picture he really is travelling at quite some speed (Photo 3).



The two Photos 4 and 5 are projects made by Mr. Hande of St. Maurice, Quebec, Canada. The child's swing was made from plans which appeared in one of the past issues of the Deltagram. The figured smoking stands are Mr. Hande's own idea.

The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

★ A MAGAZINE FOR CRAFTSMEN

★ PUBLISHED BY THE DELTA MANUFACTURING
COMPANY, MILWAUKEE, WISC. SOLD ONLY BY
SUBSCRIPTION - 75¢ THE YEAR.

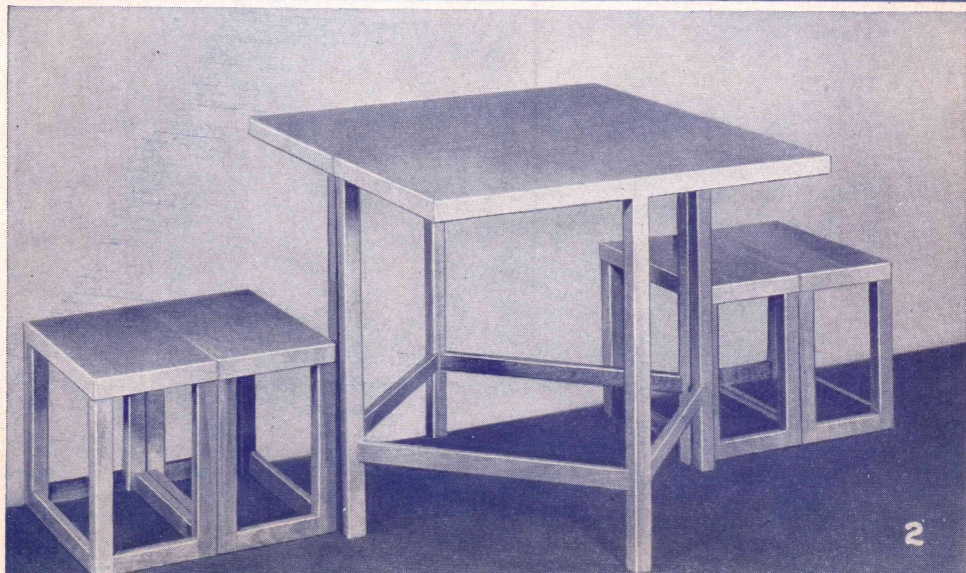
★ E. G. HAMILTON - MANAGING EDITOR
A. M. WARKASKE - TECH. EDITOR

VOLUME EIGHTEEN

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UNIT TABLE SET

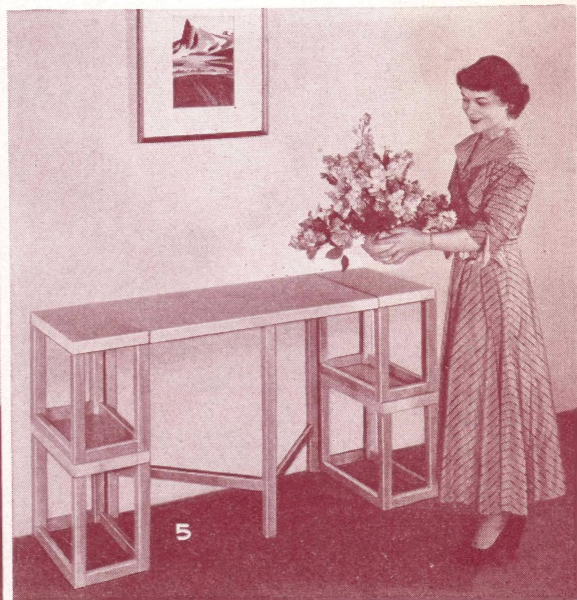




3



4



5

UNIT TABLE SET

☆ The table set shown in photographs 1 through 5 and on the cover, consists of two table sections and four bench sections. The design of the set makes it possible for an almost unlimited number of arrangements. The small units may be used as benches or individual coffee tables, or even magazine racks as shown in photograph Number 1. You will notice that two benches, when placed one on top of the other are exactly the same height as the table section. This set lends itself well to the lighter woods such as birch, oak, or bleached mahogany.

BILL OF MATERIAL

No. Req.	Name of Part	Size
1—Top	$\frac{3}{4}$ x17 $\frac{3}{4}$ x35 $\frac{3}{4}$
3—Leg	$\frac{1}{2}$ x1 $\frac{1}{2}$ x29 $\frac{1}{4}$
2—Leg Stretcher	$\frac{3}{4}$ x1 $\frac{1}{2}$ x22 $\frac{1}{2}$
3—Top Rail (Side and Middle)	$\frac{3}{4}$ x $\frac{3}{4}$ x15 $\frac{7}{8}$
2—Top Rail (Front)	$\frac{3}{4}$ x $\frac{3}{4}$ x17 $\frac{1}{8}$
1—Top Rail (Back)	$\frac{3}{4}$ x $\frac{3}{4}$ x33
2—Overlay Strip (Side)	$\frac{1}{8}$ x1 $\frac{1}{2}$ x18
2—Overlay Strip (Front and Back)	$\frac{1}{8}$ x1 $\frac{1}{2}$ x36
Dowel	$\frac{5}{16}$ Diam.x24
1—Top	$\frac{3}{4}$ x9 $\frac{3}{4}$ x17 $\frac{3}{4}$
4—Leg	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x14 $\frac{1}{4}$
2—Leg Stretcher (Side)	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x7
2—Leg Stretcher (Front and Back)	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x15
2—Top Rail (Side)	$\frac{3}{4}$ x $\frac{3}{4}$ x7
2—Top Rail (Front and Back)	$\frac{3}{4}$ x $\frac{3}{4}$ x15
2—Overlay Strip (Side)	$\frac{1}{8}$ x1 $\frac{1}{2}$ x10
2—Overlay Strip (Front and Back)	$\frac{1}{8}$ x1 $\frac{1}{2}$ x18
Dowel	$\frac{5}{16}$ Diam.x40

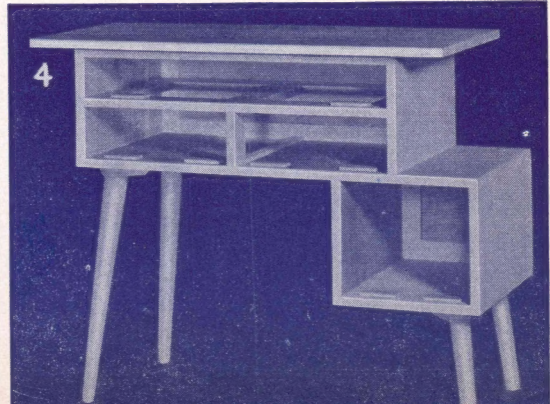
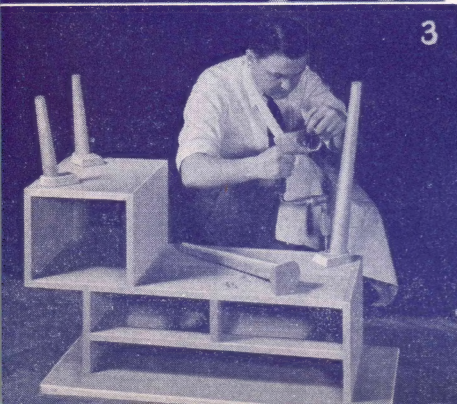
MODERN DESK

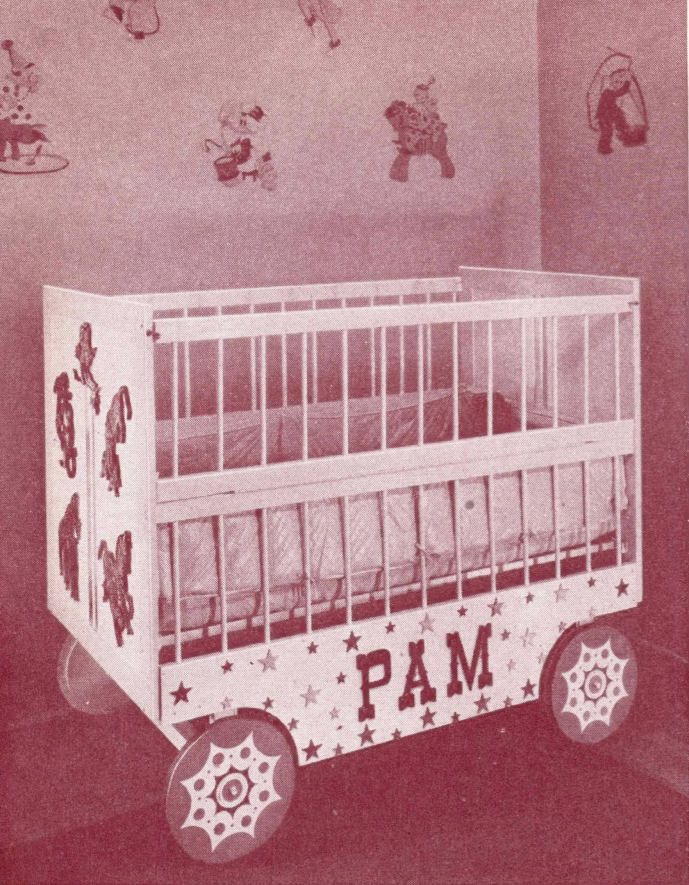
☆ The unusual design of this small desk provides a book shelf partially concealed under the right edge of the top. A pair of the spring type polished brass or copper book-ends should be fastened to the base of the book shelf, as shown in photographs 1 and 2. The original desk was built from birch, finished natural, using a white filler. The modern chair shown in photograph 1, goes well with the desk design and was described in a previous issue of the Deltagram.



BILL OF MATERIAL

No. Req.	Name of Part	Size	No. Req.	Name of Part	Size
1—Top	¾x20x40	1—Back Panel	.....	¼x8¼x31½
1—Bottom	¾x18x38	Drawer (Upper Section):		
1—Side	¾x8½x18	1—Bottom Panel	.....	¼x17¼x29¾
1—Side	¾x8x18	2—Side	.....	¾x3x17½
Lower Drawer Section:			1—Front	.....	¾x3x30½
1—Bottom	¾x11x18	1—Back	.....	¾x2¼x29¾
2—Side	¾x10¼x18	Drawer		
4—Leg Fastening	1x2¾x4⅞	2—Bottom Panel	.....	¼x14⅞x17¼
2—Leg	2x2x21½	4—Side	.....	¾x3x17½
2—Leg	1½x1½x11½	2—Front	.....	¾x3x14⅞
Drawer Frame:			2—Back	.....	¾x2¼x14⅞
2—Front	¾x1¾x31	Drawer (Lower Section):		
2—Back	¾x1¾x31	1—Bottom Panel	.....	¼x9¾x17¼
3—Side	¾x1¾x14¼	1—Front	.....	¾x9¾x10½
3—Center	¾x1¾x14¼	1—Back	.....	¾x8½x9¾
1—Partition	¾x1¾x3½	2—Side	.....	¾x9¾x17½
1—Drawer Guide	¾x¾x16	Dowel	.....	¾ Diam.x8½
1—Back Panel	¼x10¼x11½	Dowel	.....	5/16 Diam.x33





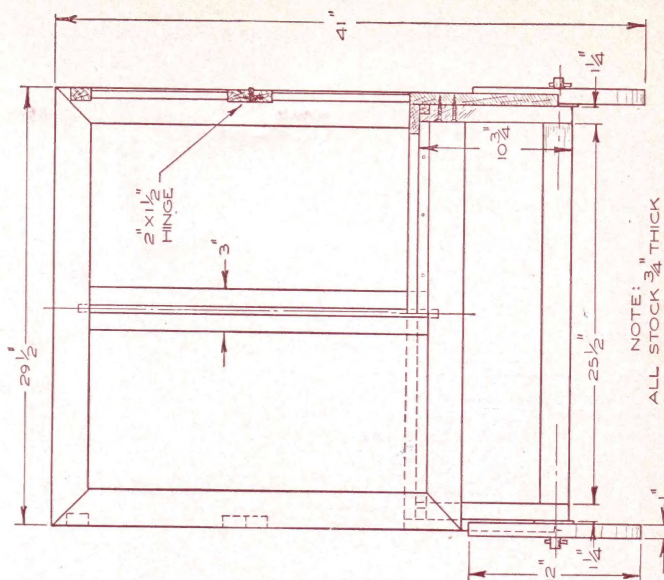
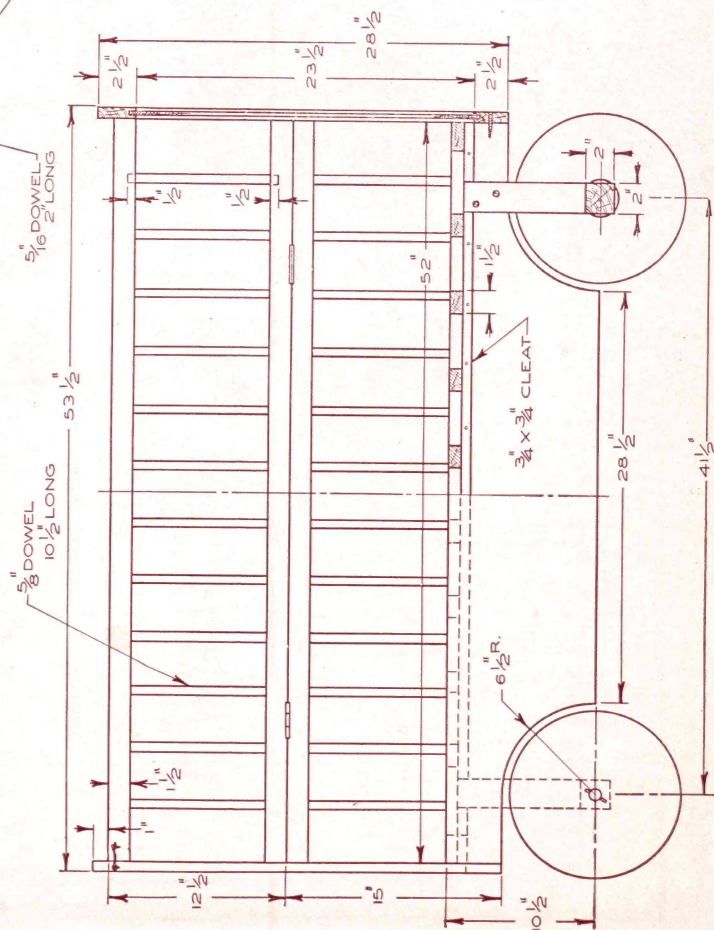
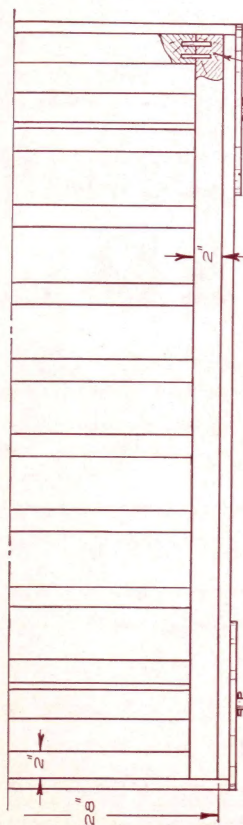
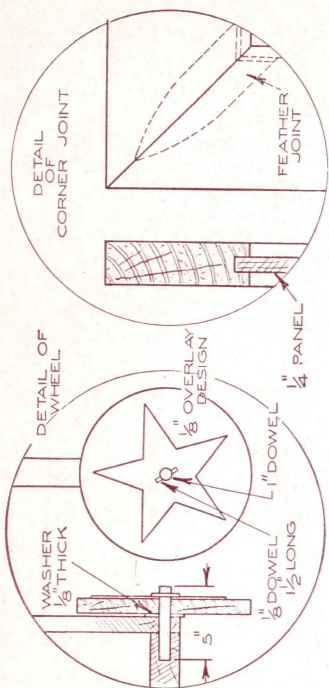
☆ Here is a unique and novel design for a juvenile bed which will delight the heart of the little boy or girl in your family. The construction is shown in the drawing on the following page. There is almost no end to the colorful decorations which may be added by the craftsman. The photograph at the left and the drawings shown on pages 96 and 97 will give you some idea of the colorful cutouts which may be added to the bed and to the walls of the nursery. The scroll saw will be a great help in cutting these

ESPECIALLY DESIGNED for the YOUNGSTER CIRCUS BED

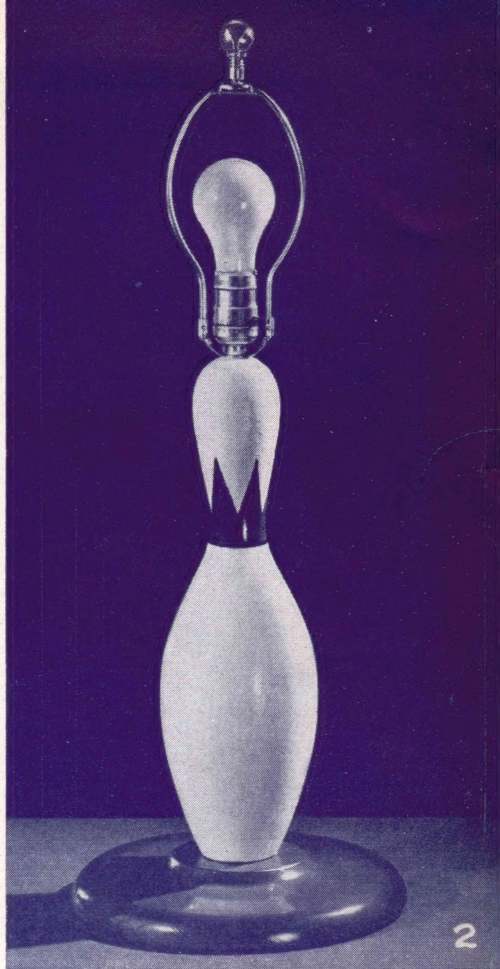
BILL OF MATERIAL

No. Req.	Name of Part	Size
Head and Foot Board:		
4—	Frame Side	$\frac{3}{4}$ x $2\frac{1}{2}$ x $28\frac{1}{2}$
4—	Frame Top and Bottom	$\frac{3}{4}$ x $2\frac{1}{2}$ x $29\frac{1}{2}$
4—	Panel	$\frac{1}{4}$ x 11 x 24
2—	Side Board	$\frac{3}{4}$ x $10\frac{1}{2}$ x 52
Side Frame:		
6—	Frame Top and Bottom	$\frac{3}{4}$ x $1\frac{1}{2}$ x 52
4—	Wheel	1 x 12 x 12
4—	Overlay	$\frac{1}{8}$ x 10 x 10
2—	Axle	2 x 2 x $25\frac{1}{2}$
4—	Axle Support	$1\frac{1}{4}$ x 2 x $10\frac{3}{4}$
Mattress Frame:		
2—	Frame Side	$\frac{3}{4}$ x 2 x 52
2—	Frame End	$\frac{3}{4}$ x 2 x 24
8—	Frame Stretcher	$\frac{3}{4}$ x $1\frac{1}{2}$ x 24
	Dowel	$\frac{5}{8}$ Diam. x $50'$
	Dowel	$\frac{1}{8}$ Diam. x $8'$
	Dowel	1 Diam. x $2'$
	Dowel	$\frac{1}{4}$ Diam. x $7''$
	Cleat	$\frac{3}{4}$ x $\frac{3}{4}$ x $15'$

characters from $\frac{1}{4}$ " plywood. The entire bed and the cutout figures together with all sorts of star and circular designs should be finished in bright colored enamels. The child's name in bold letters may also be cut out of $\frac{1}{4}$ " plywood and added to the lower panel of the bed. This personal touch will add much to the delight of the youngster.



NOTE: 3" $\frac{3}{4}$ " THICK
ALL STOCK $\frac{3}{4}$ " THICK
UNLESS OTHERWISE
SPECIFIED



Bowling Pin LAMP

☆ Every homemaker knows that discarded bowling pins make excellent turning material for the lathe. However here is one project which requires very little work on the bowling pin itself. Anyone interested in bowling will want one of these attractive and practical table lamps. Drill the bowling pin for the $\frac{1}{8}$ pipe to carry the electrical wiring. Turn the base from a piece of scrap stock preferably hardwood such as maple or birch. Drill the center of the base for the $\frac{1}{8}$ pipe and counter bore the bottom for the lock nut as shown in the drawing on the next page. Obtain a standard brass socket and fixture and assemble and wire the lamp with cord and plug. Color may be added to the bowling pin and base with enamel or the base may be stained a contrasting color from the pin. If a shade with an appropriate design is not available, at your local dealers, obtain a plain light colored parchment shade. Sketch an outline of the design you wish to paint on the shade and fill it in with flat black or black enamel paint. This will not be as hard as you at first suppose, since the design will be attractive, if it is humorous, and even a little rough. One other method of applying such design to the shade is to cut it out of black felt with a pair of scissors and then glue it to the shade.

STANDARD
SOCKET

LAMP
SHADE

REGULATION
BOWLING
PIN

$\frac{1}{8}$ " PIPE

$\frac{3}{4}$ " CT BORE
 $\frac{3}{8}$ " DEEP

LOCK NUT

$\frac{1}{2}$ " R

$\frac{1}{4}$ " R

FELT PAD

$1\frac{1}{2}$ "

4"

10"



JUVENILE BEDROOM SET

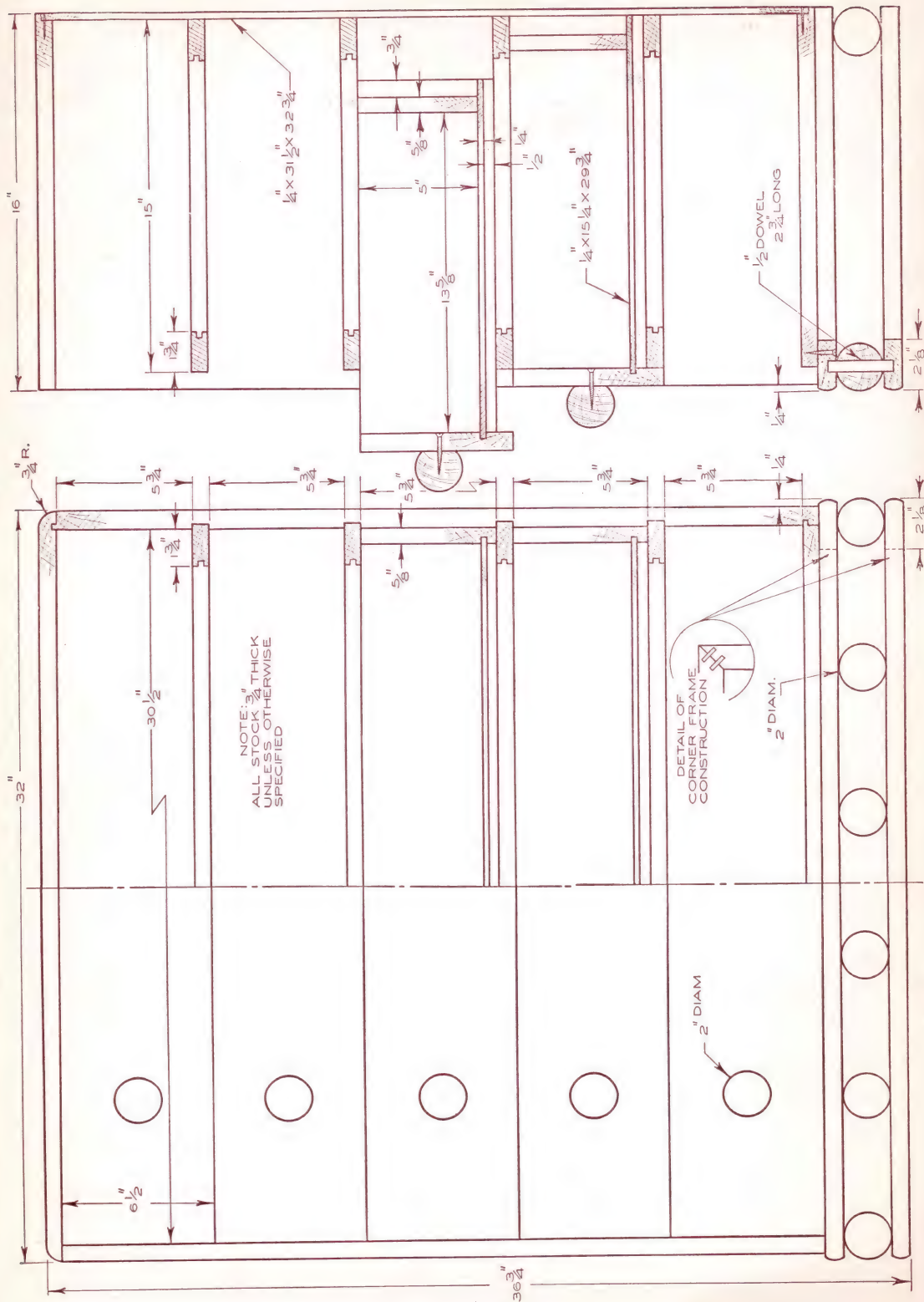
(PART II)

☆ Here is the second part in a juvenile bedroom set of modern design built from birch or maple hardwood. The first part consisting of the bed and stool was shown in volume 18 issue number 3. The chest of drawers shown in the photographs above have a matching base and drawer pull design, featuring turned wooden balls. The construction details are shown in the drawing on the next page. Be sure to select the lumber and especially the plywood panel so that it matches the panel used in the construction of the bed. This is very important if the bedroom set is to be finished in its natural coloring. The drawer construction is flush front with the frames set back the thickness

of the front panels. Appropriate nursery decals may be added to the front of the chest of drawers as was done with the foot board of the bed.

BILL OF MATERIAL

No. Req.	Name	Size
1—Top		$\frac{3}{4}$ x 16 x 32
2—Side		$\frac{3}{4}$ x 16 x 32 $\frac{3}{4}$
1—Bottom		$\frac{3}{4}$ x 15 $\frac{1}{4}$ x 31
4—Base Frame Side		$\frac{3}{4}$ x 2 $\frac{1}{4}$ x 16 $\frac{1}{4}$
2—Base Frame Front		$\frac{3}{4}$ x 2 $\frac{1}{4}$ x 32 $\frac{1}{2}$
8—Drawer Frame Side		$\frac{3}{4}$ x 1 $\frac{3}{4}$ x 11 $\frac{1}{2}$
8—Drawer Frame Front & Back		$\frac{3}{4}$ x 1 $\frac{3}{4}$ x 31
1—Back		$\frac{1}{4}$ x 31 $\frac{1}{2}$ x 32 $\frac{3}{4}$
5—Drawer Front		$\frac{3}{4}$ x 6 $\frac{1}{2}$ x 30 $\frac{1}{2}$
5—Drawer Back		$\frac{3}{4}$ x 5 x 29 $\frac{3}{4}$
10—Drawer Side		$\frac{5}{8}$ x 5 $\frac{3}{4}$ x 15 $\frac{1}{2}$
5—Drawer Bottom		$\frac{1}{4}$ x 15 $\frac{1}{4}$ x 29 $\frac{3}{4}$
18—Ball Stock		2 x 2 x 2
Dowel		$\frac{1}{2}$ Diam. x 23
Dowel		$\frac{3}{8}$ Diam. x 19





The photograph above and at the left shows the sturdy construction of this kiddie-kar. The front wheels are 3 inch rubber tired casters and the rear wheels are band sawed from $\frac{7}{8}$ " waterproofed plywood. The finish should be one or two colors of a good grade bright enamel.

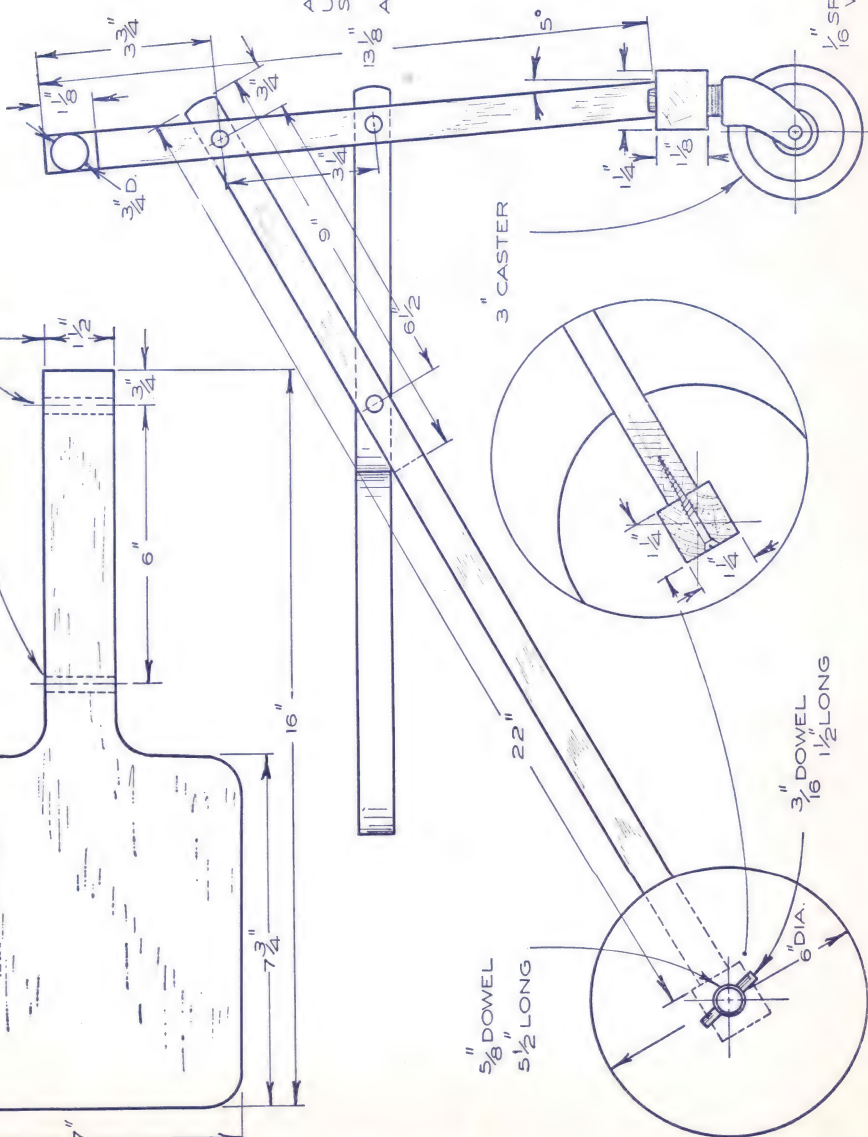
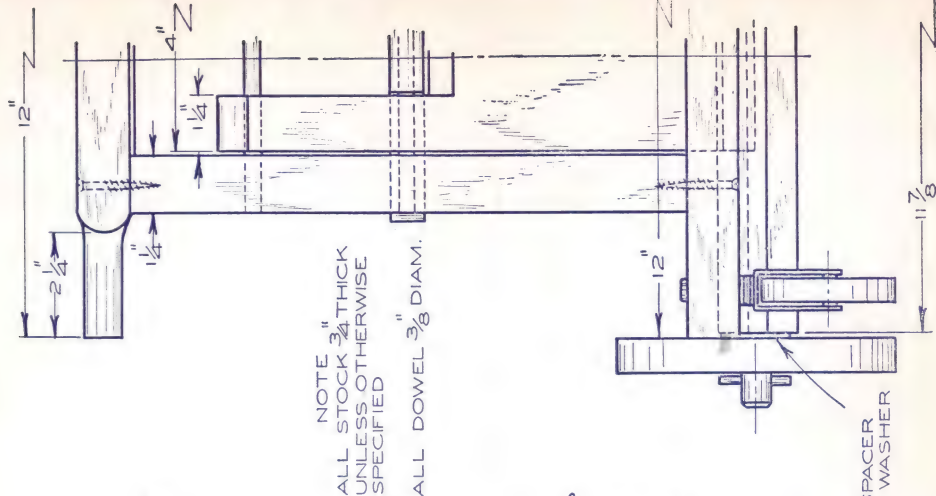
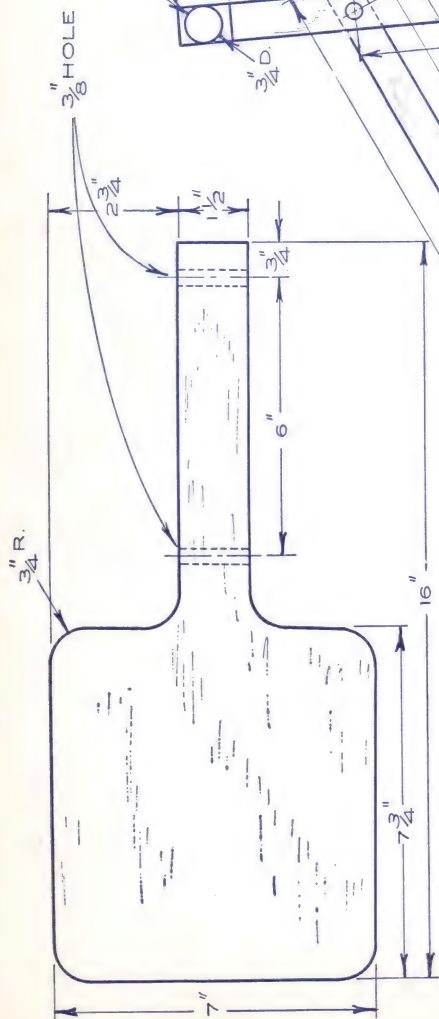
Build this KIDDIE-KAR

☆ The simple yet sturdy design of this kiddie-kar will allow the craftsman to build this project with a minimum amount of material and labor. Instead of the usual pivot construction for turning the front wheels this kiddie-kar features a front end which is rigid in construction and is turned by the simple method of attaching two casters to the front axle. In this way there is less breakage since it eliminates the main weakness in conventional construction. Hardwood should be used throughout, and for more rugged needs, $\frac{7}{8}$ or 1 inch lumber may be substituted for the $\frac{3}{4}$ inch as specified, in the bill of material. All dowels should be

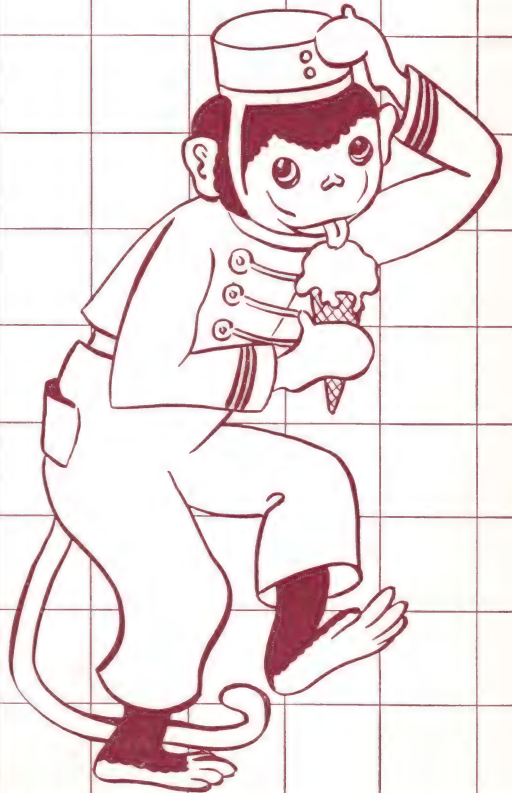
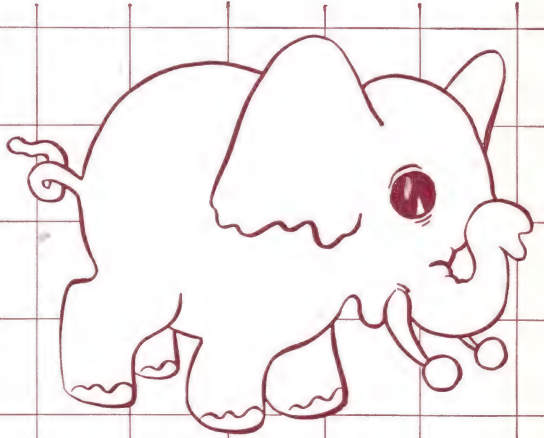
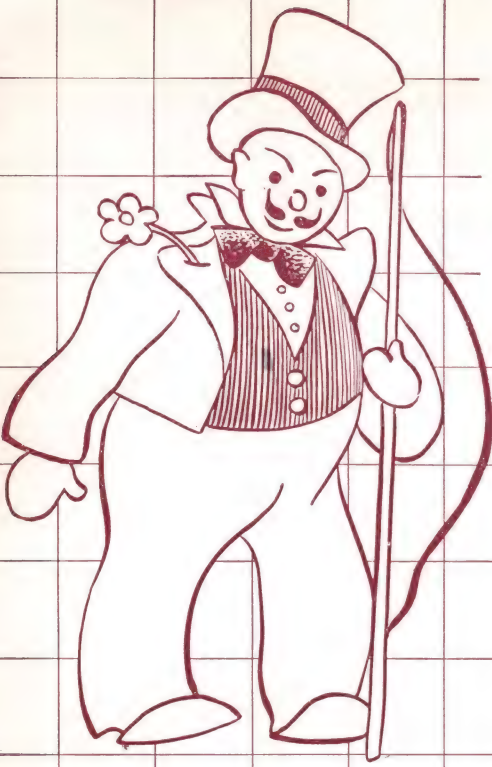
hardwood and selected without defects or cross-grain. Finish with several coats of white shellac or similar sealer and then enamel in some bright color or colors.

BILL OF MATERIAL

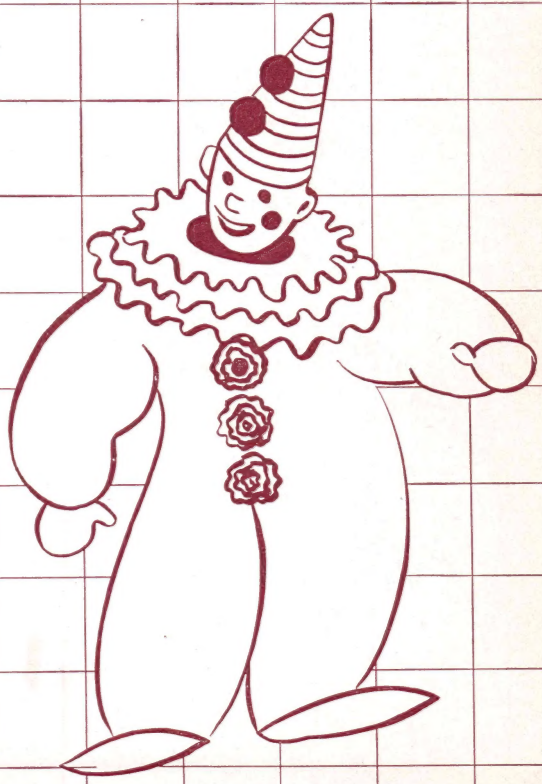
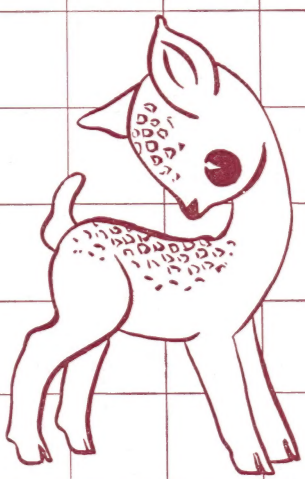
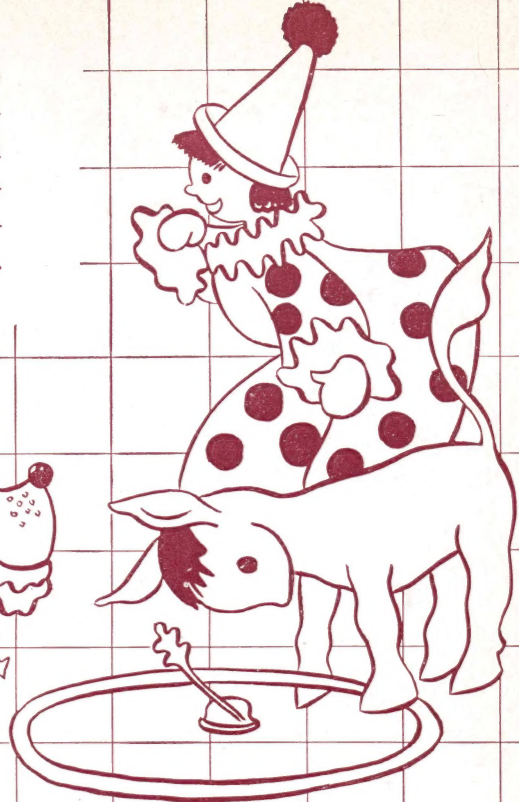
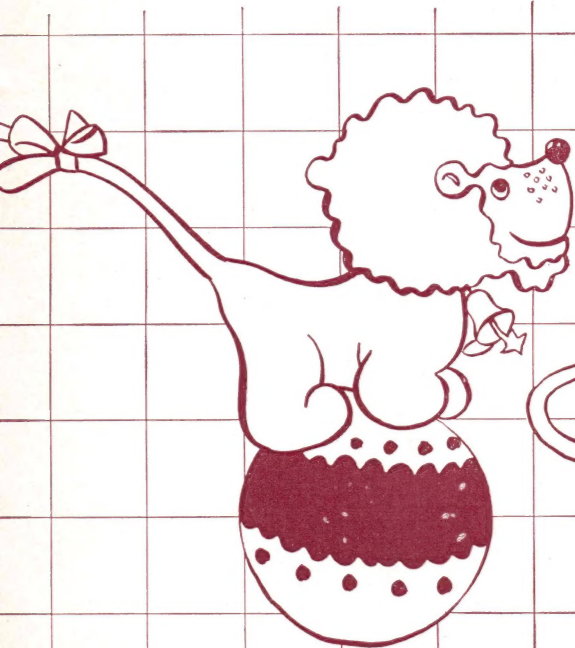
No. Req.	Name	Size
1—	Seat	$\frac{3}{4}$ x7x16
1—	Axle (rear)	$1\frac{1}{4}$ x1 $\frac{1}{4}$ x11 $\frac{7}{8}$
1—	Axle (front)	$1\frac{1}{4}$ x1 $\frac{1}{4}$ x12
1—	Handle	$\frac{3}{4}$ x1 $\frac{1}{8}$ x12
2—	Frame (front)	$\frac{3}{4}$ x1 $\frac{1}{4}$ x12
1—	Frame (rear)	$\frac{3}{4}$ x4x22
3—	Dowels	$\frac{3}{8}$ x6 $\frac{1}{2}$
2—	Dowels	$\frac{3}{8}$ x5 $\frac{1}{2}$
2—	Dowels	$\frac{3}{8}$ x1 $\frac{1}{2}$
2—	Wheels (rear)	$\frac{7}{8}$ x6x6
2—	Casters	3" Diameter



CIRCUS CUT-OUTS



Enlarge the drawings shown on these pages by the squared method to whatever size you desire, transfer the design to $\frac{1}{4}$ " plywood and paint in bright colors. They will make excellent decorations for walls and furniture of nursery.



FLYING CHIPS

"Deltacraft" A Real Boat

St. John's, Newfoundland—I, too, completed my first boat project, "The Deltacraft," and amazed myself as well as onlookers by her beauty, maneuverability and speed. You couldn't have designed a nicer fit for my Jeep Station Wagon. By removing all the car seats I can put my craft aboard the car single-handed. I had her in a dozen different lakes last summer and won two out of two races with her. She is powered with a 7.9 Champion motor and in her second race beat a larger motor, 9.7 H.P., mounted on a 13-foot plywood skiff. When the enclosed snapshot was taken (see photograph on Deltacraft Page of this issue) she was powered with a 10-H.P. Mercury at full throttle. With this size motor it will outrun any boat of its size.

I built this boat originally for trout. I put it in the car, with the engine, bed roll, grub, etc., stored inside the boat, drive to the most likely pond, launch my craft, prepare my sack in the rear of the car, and nothing could be finer—if the fish are biting. I have encountered no difficulty in handling her alone, even if she is heavier than the plans call for. I used scrap lumber instead of oak, and 1/4-inch plywood in place of 3/16-inch.

I never had as much fun on a dollar's worth of material as I had with your "Deltacraft Plans"—Thanks a million.

A. C. McB.

Work Bench for Fly Tying

Rock Springs, Wyoming—I sure do like your magazine "The Deltagram" very much. Up to now I have made quite a few projects from your publication.

What I would like to know is if some day you might make up a good bench for fellows like my son who likes to tie flies for fishing. Now he has all the materials he needs for tying these flies scattered all over the shop. I thought perhaps you could design a bench and cabinet combined to keep all necessary supplies for this type of work.

J. B.

Glue That Will Not Discolor Wood

Myers, P.O., South Carolina—Your publication has been a source of real pleasure and help in my class work; we refer to the Flying Chips Page all the time.

We are having difficulty in finding a glue for mahogany projects that will not discolor the wood. Can you or any of your readers help us out?

When we got along a little in wood carving, we found that good carving tools and knives were hard to get; the ones we were able to buy did not stand up at all.

After experimenting for some time making my own knives, I believe I really accomplished something that might be of interest to some of your readers and other Industrial Arts Instructors. I secured some old broken automobile starter springs and forged out the knives I needed. I found these very useful and durable as well.

W. H. W.

Whittling Is His Hobby

Eagle River, Wisconsin—I have all Delta equipment, circular saw, 4-inch jointer, and the variable speed scroll saw which to me is tops in anything on the market today. As to the possibilities in my work as a paying hobby—well, I paid for all my equipment the first year, which was three years ago, and I net from this hobby a minimum of six hundred dollars (\$600.00) per year without much effort. All my carvings are purchased by several hotels in the Land O'Lakes, Wisconsin. After I cut the blanks on the scroll saw the balance is all done with a pocket knife, and therein lies the appeal from the public's point of view. At a recent craft exhibit at the Milwaukee Art Museum my work outsold all others due to this feature. I am not boasting but just trying to brief my experience so it might be of value to other readers of the Deltagram.

J. R. F.

Turning Salt and Pepper Shakers on the Lathe

Newtown, Ohio—I have recently purchased a Delta lathe and am interested in knowing how to perform two operations.

First: I would like to turn some salt and pepper shakers about three inches long and two inches in diameter. Due to the amount of finishing work on both ends of these salt and pepper shakers, it is necessary that they be attached to the headstock only. When in Tennessee a few months ago I noticed that on rough stock for salt and pepper shakers that a three-quarter inch hole was drilled first and then was placed on some kind of arbor or spindle at the headstock end of the lathe. The tailstock was not used. I made a spindle attached to the three-inch face plate and placed the drilled rough stock on the spindle but could not do a smooth job. I think the reason for this is that it was difficult to get the rough stock sufficiently tight on the spindle.

Secondly: Is there any way to fasten two-inch material to the headstock? It seems to me that there is quite a waste of wood when it is necessary to use at least three inch stock to obtain a finished product of two inches or smaller. Further, it is very difficult to locate good hardwood larger than two inches square.

R. M. A.

There are several methods for holding small stock on the lathe when turning small objects. First method is to turn a small taper on one end to fit the headstock spindle. This taper should be the same size as on the spur center. Another way would be to have a special adapter made to fit the threaded spindle of your lathe with a slight taper at the other end in which the stock to be turned is held for turning.

The third method is using the new Delta collet-type chuck which we recently introduced. This chuck takes stock from one-half inch up to two inches in diameter. We believe it should have great possibilities in any shop. See your local dealer for complete details on this safety type collet chuck.

Where Can I Get It?

Thief River Falls, Minn.—I am very much interested in the chair featured in the Deltagram (Issue No. 5, Volume 17). The project calls for a leopard spotted upholstery material. I have been looking for this and also the zebra striped material. Will you please tell me where both types of material are available.

Incidentally the only thing I find wrong with your Deltagram is that I have not had enough time to keep up with it. There are so many items I want to make but I must also work for a living, so must content myself with saving all the past issues until I am ready to retire and can do nothing but craft work.

How about more plastic projects in the Deltagram? I was two and one-half years in the Navy and spent most of my time in the plastics shop. It seemed to me that all the fellows were making plastic gadgets, so I know it has a more or less universal interest among hobbyists.

M. E. T.

Drapery material was used on the above-mentioned chairs and can be purchased at any local department store.

Subscriptions

Unless you have a two-year subscription to the Deltagram, the next issue will be your last. Renew your subscription immediately so that you will not miss any of the Fall issues.

DESIGNS

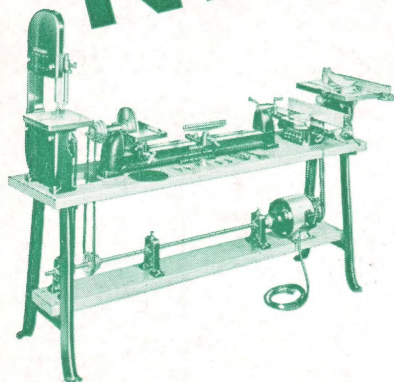
These are full size drawings which can be easily traced directly on the material to be cut. Paint the material with a flat coat of paint before drawing the design.



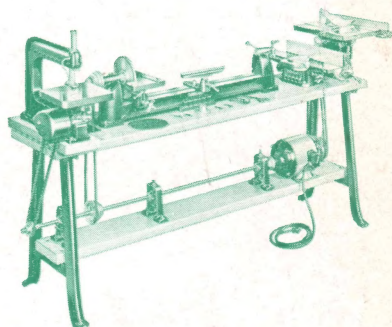
NEW

HANDI-SHOP

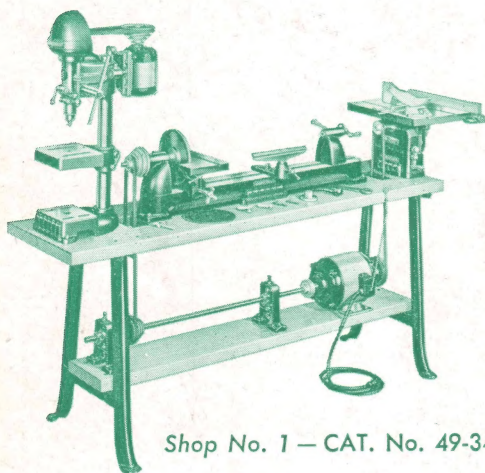
**A COMPLETE SHOP
ON ONE BENCH
THREE COMBINATIONS
AVAILABLE**



Shop No. 2 — CAT. No. 49-342



Shop No. 3 — CAT. No. 49-343



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